

2

LUC-464 / Barclay 11-51-10-10-9

Claim Amendments

RECEIVED
CENTRAL FAX CENTER

MAY 05 2006

1. (currently amended) An apparatus, comprising:

a mobile switching center that allows a mobile user of a mobile communication device to assign one or more members to a call waiting feature group that is employable by the mobile switching center to provide a communication-call waiting feature to the mobile user;

wherein the call waiting feature comprises a default call waiting indication;

wherein the mobile switching center gives preferred treatment to the one or more members of the feature group;

wherein the preferred treatment comprises a preferred call waiting indication;

wherein the mobile switching center communicates the default call waiting indication to the mobile user for an incoming call from a non-preferred user;

wherein the mobile switching center communicates the preferred call waiting indication to the mobile user for the incoming call from a preferred user, wherein the preferred user is a member of the call waiting feature group.

2. (currently amended) The apparatus of claim 1, wherein the call waiting feature group comprises a call waiting feature group for the call waiting communication-feature, wherein the mobile switching center cooperates with the mobile communication device to provide an interface to the mobile user that allows the mobile user to assign the one or more members to the call waiting feature group for the call waiting communication-feature.

3

LUC-464 / Barclay 11-51-10-10-9

3. (original) The apparatus of claim 2, wherein the interface comprises one or more of a voice interface, a dual tone multi frequency (DTMF) interface, a graphical interface, a keypad interface, and a touchpad interface.

4. (currently amended) The apparatus of claim 1, wherein the mobile switching center makes a determination that a calling user is the preferred user or the non-preferred user ~~one of the one or more members assigned to the feature group,~~

wherein the mobile switching center provides the call waiting ~~communication~~ feature to the mobile user based on the determination that the calling user is the preferred user or the non-preferred user ~~one of the one or more members assigned to the feature group.~~

5. (currently amended) The apparatus of claim 4, wherein the mobile switching center queries a subscriber database to make the determination that the calling user is ~~one of the one or more members assigned to the feature group~~ the preferred user or the non-preferred user.

6. (canceled)

7. (currently amended) The apparatus of claim ~~6~~ 1, wherein the mobile switching center makes a determination that ~~a calling user is one of the one or more members assigned to the feature group for the call waiting feature~~ a calling user of the incoming call is the non-preferred user or the preferred user.

8. (currently amended) The apparatus of claim 7, wherein the mobile switching center employs a calling party number of the calling user to make the determination that the calling user of the incoming call is the non-preferred user or the preferred user~~one of the one or more members assigned to the feature group for the call waiting feature.~~

9. (currently amended) The apparatus of claim 7, wherein the mobile switching center receives a DTMF digit pattern from the calling user;

wherein the mobile switching center employs the DTMF digit pattern from the calling user to make the determination that the calling user of the incoming call is the non-preferred user or the preferred user~~one of the one or more members assigned to the feature group for the call waiting feature.~~

10. (currently amended) The apparatus of claim 7, wherein the call waiting feature comprises a default call waiting period, wherein the preferred treatment comprises a preferred call waiting period that is longer than the default call waiting period;

wherein the mobile switching center communicates ~~a first~~ the preferred call waiting indication to the mobile user of the mobile communication device over the preferred call waiting period if the calling user is ~~one of the one or more members assigned to the feature group~~ the preferred user;

wherein the mobile switching center communicates ~~a second~~ the default call waiting indication to the mobile user of the mobile communication device over the default call waiting period if the calling user is ~~not one of the one or more members assigned to the feature group~~ the non-preferred user.

5

LUC-464 / Barclay 11-51-10-10-9

11. (currently amended) The apparatus of claim 10, wherein the mobile switching center cooperates with the mobile communication device to provide an interface to the mobile user that allows the mobile user to assign the first-preferred call waiting indication and the second-default call waiting indication.

12. (currently amended) The apparatus of claim 10, wherein the mobile switching center increases a duration of the second-preferred call waiting indication based on the determination that the calling user of the incoming call is one of the one or more members assigned to the feature group for the call waiting feature the non-preferred user or the preferred user.

13. (currently amended) The apparatus of claim 12, wherein the mobile switching center cooperates with the mobile communication device to provide an interface to the mobile user that allows the mobile user to input a selected duration;

wherein the mobile switching center increases the duration of the indication by the selected duration.

14. (currently amended) A method, comprising the steps of:

identifying a calling user of an incoming call to a mobile user as one of one or more members of a user-defined feature group for a call waiting communication feature, wherein the call waiting feature comprises a default call waiting indication and a preferred call waiting indication; and

communicating the default call waiting indication to the mobile user if the calling user is a non-preferred user;

communicating the preferred call waiting indication to the mobile user if the calling user is a preferred user performing the communication feature on an incoming call from the calling user.

15. (currently amended) The method of claim 14, ~~wherein the incoming call from the calling user comprises an incoming call for a mobile communication device, wherein the step of identifying the calling user~~ of the incoming call to the mobile user as one of the one or more members of the user-defined feature group for the call waiting communication feature comprises the steps of:

receiving the incoming call from the calling user for the a mobile communication device of the mobile user;

making a determination that the calling user of the incoming call is one of the one or more members assigned to the user defined feature group the preferred user or the non-preferred user.

7

LUC-464 / Barclay 11-51-10-10-9

16. (currently amended) The method of claim 15, wherein the step of making the determination that the calling user of the incoming call is one of the one or more members assigned to the user-defined feature group the preferred user or the non-preferred user comprises the steps of:

querying a subscriber database for the user-defined feature group;

comparing an identifier of the calling user with the identifier listing user-defined feature group to determine if the user-defined feature group comprises the identifier.

17. (currently amended) The method of claim 15, further comprising the steps of:

receiving one or more inputs from a mobile user of the mobile communication device to assign the one or more members to the user-defined feature group;

storing the user-defined feature group in the subscriber database.

18. (currently amended) The method of claim 17, ~~wherein the communication feature comprises a call waiting feature, the method further comprising the steps of:~~

obtaining one or more inputs from the mobile user of the mobile communication device to assign one or more call waiting indications to the call waiting feature;

communicating the one or more call waiting indications based on the determination that the calling user of the incoming call is the non-preferred user or the preferred user ~~one of the one or more members assigned to the user-defined feature group.~~

19. (currently amended) An article, comprising:

one or more computer-readable signal-bearing media; and

means in the one or more media for identifying a calling user of an incoming call to a mobile user as one of one or more members of a user-defined feature group for a call waiting communication feature, wherein the call waiting feature comprises a default call waiting indication and a preferred call waiting indication; and

means for communicating the default call waiting indication to the mobile user if the calling user is a non-preferred user;

means for communicating the preferred call waiting indication to the mobile user if the calling user is a preferred user;
~~means in the one or more media for performing the communication feature on an incoming call from the calling user.~~

20. (currently amended) The article of claim 19, ~~wherein the incoming call from the calling user comprises an incoming call for a mobile communication device~~, wherein the means in the one or more media for identifying the calling user of the incoming call to the mobile user as one of the one or more members of the user-defined feature group for the call waiting communication feature comprises:

means in the one or more media for receiving the incoming call from the calling user for the mobile communication device; and

means in the one or more media for querying a subscriber database to make a determination that the calling user of the incoming call is ~~one of the one or more members assigned to the user-defined feature group~~ the preferred user or the non-preferred user.

9

LUC-464 / Barclay 11-51-10-10-9

21. (currently amended) The method of claim 14, ~~wherein the communication feature comprises a call waiting feature,~~ wherein the step of performing the call waiting ~~communication feature~~ on the incoming call from the calling user comprises the steps of:

receiving an incoming call at a mobile switching center, wherein the incoming call is for a mobile communication device on a pre-existing call;

querying a subscriber database for a call waiting feature group;

receiving the call waiting feature group;

determining that the calling user is a member of the call waiting feature group;

communicating a preferred call waiting indication to the calling user;

placing the pre-existing call on hold;

connecting the incoming call with the mobile communication device; and

disconnecting the incoming call and reconnecting the pre-existing call to the mobile communication device.

22. (canceled)

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☒ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☒ **GRAY SCALE DOCUMENTS**

☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☒ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.